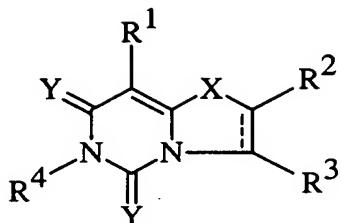


CLAIMS

What is claimed is:

1. A compound of Formula I



J

5

or a pharmaceutically acceptable salt thereof,

wherein:

“---” is absent or is a bond;

X is O, S, SO, SO₂, CH₂, C = O, CHOH, NH, or NR⁵;

Y is O or S;

10 R¹ is H, (O)_nC₁-C₆ alkyl, (O)_n substituted alkyl, NO₂, NR⁵R⁶, CHO, or
halo;

R², R³, and R⁴ independently are hydrogen, halo, C₁-C₆ alkyl, substituted C₁-C₆ alkyl, C₂-C₆ alkenyl, substituted C₂-C₆ alkenyl, C₂-C₁₀ alkynyl, substituted C₂-C₁₀ alkynyl, (CH₂)_m OH,

15 $(CH_2)_m OR^5$, $(CH_2)_m$ cycloalkyl, $(CH_2)_m$ substituted cycloalkyl,
 $CHOH (CH_2)_m$ aryl, $CHOH (CH_2)_m$ substituted aryl,

CHOH (CH₂)_m heteroaryl, CHOH (CH₂)_m substituted heteroaryl, (CO₂)_n(CH₂)_m aryl, (CO₂)_n(CH₂)_m substituted aryl,

$(CO_2)_n(CH_2)_m$ heteroaryl, $(CO_2)_n(CH_2)_m$ substituted heteroaryl,

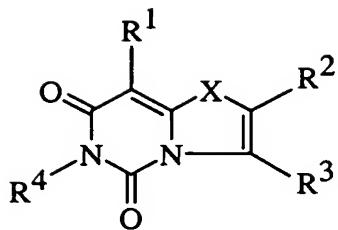
$(CO_2)_n(CH_2)_m$ carbocycle, $(CO_2)_n(CH_2)_m$ substitute

carbocycle, $(CO_2)_n(CH_2)_m$ heterocycle, $(CO_2)_n(CH_2)_m$

20 $(CO_2)_n(CH_2)_m$ carbocycle, $(CO_2)_n(CH_2)_m$ substituted carbocycle, $(CO_2)_n(CH_2)_m$ heterocycle, $(CO_2)_n(CH_2)_m$ substituted heterocycle, $(CO_2)_n(CH_2)_m$ NR^5R^6 , $(CH_2)_m-S(O)_0-$ 2-($CH_2)_n$ -aryl, $CH(C_1-C_6$ alkyl)-aryl, $(CH_2)_mN(H)C(=O)$ aryl,

(CH₂)_m-S(O)O-2-(CH₂)_n-substituted aryl, CH(C₁-C₆ alkyl)-substituted aryl, (CH₂)_mN(H)C(=O) substituted aryl,
C(=O)N(R⁵)-(CH₂)_maryl, C(=O)N(R⁵)-(CH₂)_m substituted aryl,
C(=O)N(R⁵)-(CH₂)_m heteroaryl, C(=O)N(R⁵)-(CH₂)_m substituted
5 heteroaryl, C≡C-(CH₂)_maryl, C≡C-(CH₂)_m substituted aryl,
C≡C-(CH₂)_m-heteroaryl, C≡C-(CH₂)_m substituted heteroaryl,
C≡C-(CH₂)_m carbocycle, C≡C-(CH₂)_m substituted carbocycle, (CH₂)_m-O-aryl, (CH₂)_m-O-substituted aryl, (CH₂)_mCOR⁵, (CH₂)_mCONR⁵R⁶,
10 NH
||
(CH₂)_mCNR⁵R⁶,
S
||
(CH₂)_mCNR⁵R⁶, or (CH₂)_mCO₂R⁵;
15 m is an integer from 0 to 6;
R⁵ and R⁶ independently are hydrogen, C₁-C₆ alkyl, substituted C₁-C₆ alkyl, (CH₂)_m aryl, (CH₂)_m substituted aryl, (CH₂)_m heteroaryl, or (CH₂)_m substituted heteroaryl, or R⁵ and R⁶ are taken together
20 with the nitrogen atom to which they are attached complete a 3- to 7-membered ring containing carbon atoms, the nitrogen atom bearing R⁵ and R⁶, and optionally 1 or 2 heteroatoms independently selected from O, S, and NR², wherein R² is as defined above; and
n is 0 or 1; with the proviso that R² and R⁴ are not both selected from
25 hydrogen and C₁-C₆ alkyl.

2. A compound of Formula II



II

or a pharmaceutically acceptable salt thereof,

wherein:

X is O, S, SO, SO₂, CH₂, C = O, CHO, NH, or NR⁵;

5 R¹ is H, (O)_nC₁-C₆ alkyl, (O)_n substituted C₁-C₆ alkyl, NO₂, NR⁵R⁶,
CHO, or halo;

10 R², R³, and R⁴ independently are hydrogen, halo, C₁-C₆ alkyl, substituted
C₁-C₆ alkyl, C₂-C₆ alkenyl, substituted C₂-C₆ alkenyl,
C₂-C₁₀ alkynyl, substituted C₂-C₁₀ alkynyl, (CH₂)_m OH,
(CH₂)_m OR⁵, (CH₂)_m cycloalkyl, (CH₂)_m substituted cycloalkyl,
CHOH (CH₂)_m aryl, CHOH (CH₂)_m substituted aryl,
CHOH (CH₂)_m heteroaryl, CHOH (CH₂)_m substituted heteroaryl,
(CO₂)_n(CH₂)_m aryl, (CO₂)_n(CH₂)_m substituted aryl,
(CO₂)_n(CH₂)_m heteroaryl, (CO₂)_n(CH₂)_m substituted heteroaryl,
15 (CO₂)_n(CH₂)_m carbocycle, (CO₂)_n(CH₂)_m substituted
carbocycle, (CO₂)_n(CH₂)_m heterocycle, (CO₂)_n(CH₂)_m
substituted heterocycle, (CO₂)_n(CH₂)_m NR⁵R⁶, (CH₂)_m-S(O)O-
2-(CH₂)_n-aryl, CH(C₁-C₆ alkyl)-aryl, (CH₂)_mN(H) C(=O)aryl,
(CH₂)_m-S(O)O-2-(CH₂)_n-substituted aryl, CH(C₁-C₆ alkyl)-
20 substituted aryl, (CH₂)_mN(H)C(=O) substituted aryl,
C(=O)N(R⁵)-(CH₂)_maryl, C(=O)N(R⁵)-(CH₂)_m substituted aryl,
C(=O)N(R⁵)-(CH₂)_m heteroaryl, C(=O)N(R⁵)-(CH₂)_m substituted
heteroaryl, C≡C-(CH₂)_maryl, C≡C-(CH₂)_m substituted aryl,
C≡C-(CH₂)_m-heteroaryl, C≡C-(CH₂)_m substituted heteroaryl,

C≡C-(CH₂)_m carbocycle, C≡C-(CH₂)_m substituted carbocycle, (CH₂)_m-O-aryl, (CH₂)_m-O-substituted aryl, (CH₂)_m COR⁵, (CH₂)_m CONR⁵R⁶,

NH

||

5 (CH₂)_m CNR⁵R⁶,

S

||

(CH₂)_m CNR⁵R⁶, or (CH₂)_m CO₂R⁵;

m is an integer from 0 to 6;

10 R⁵ and R⁶ independently are hydrogen, C₁-C₆ alkyl, substituted

C₁-C₆ alkyl, (CH₂)_m aryl, (CH₂)_m substituted aryl, (CH₂)_m

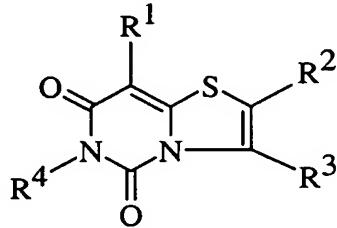
heteroaryl, (CH₂)_m substituted heteroaryl, or R⁵ and R⁶ are taken together with the nitrogen atom to which they are attached complete a 3- to 7-membered ring containing carbon atoms, the

15 nitrogen atom bearing R⁵ and R⁶, and optionally 1 or 2

heteroatoms independently selected from O, S, and NR², wherein R² is as defined above; and

n is 0 or 1; with the proviso that R² and R⁴ are not both selected from hydrogen and C₁-C₆ alkyl.

20 3. A compound of Formula III



III

or a pharmaceutically acceptable salt thereof;

wherein:

R¹ is H, (O)_nC₁-C₆ alkyl, (O)_n substituted C₁-C₆ alkyl, NO₂, NR⁵R⁶,

25 CHO, or halo;

R², R³, and R⁴ independently are hydrogen, halo, C₁-C₆ alkyl, substituted C₁-C₆ alkyl, C₂-C₆ alkenyl, substituted C₂-C₆ alkenyl,
C₂-C₁₀ alkynyl, substituted C₂-C₁₀ alkynyl, (CH₂)_m OH,
(CH₂)_m OR⁵, (CH₂)_m cycloalkyl, (CH₂)_m substituted cycloalkyl,
5 CHOH (CH₂)_m aryl, CHOH (CH₂)_m substituted aryl,
CHOH (CH₂)_m heteroaryl, CHOH (CH₂)_m substituted heteroaryl,
(CO₂)_n(CH₂)_m aryl, (CO₂)_n(CH₂)_m substituted aryl,
(CO₂)_n(CH₂)_m heteroaryl, (CO₂)_n(CH₂)_m substituted heteroaryl,
10 (CO₂)_n(CH₂)_m carbocycle, (CO₂)_n(CH₂)_m substituted carbocycle,
(CO₂)_n(CH₂)_m heterocycle, (CO₂)_n(CH₂)_m substituted heterocycle,
substituted heterocycle, (CO₂)_n(CH₂)_m NR⁵R⁶, (CH₂)_m-S(O)0-
2-(CH₂)_n-aryl, CH(C₁-C₆ alkyl)-aryl, (CH₂)_mN(H) C(=O)aryl,
(CH₂)_m-S(O)0-2-(CH₂)_n-substituted aryl, CH(C₁-C₆ alkyl)-
substituted aryl, (CH₂)_mN(H)C(=O) substituted aryl,
15 C(=O)N(R⁵)-(CH₂)_maryl, C(=O)N(R⁵)-(CH₂)_m substituted aryl,
C(=O)N(R⁵)-(CH₂)_m heteroaryl, C(=O)N(R⁵)-(CH₂)_m substituted
heteroaryl, C≡C-(CH₂)_maryl, C≡C-(CH₂)_m substituted aryl,
C≡C-(CH₂)_m-heteroaryl, C≡C-(CH₂)_m substituted heteroaryl,
C≡C-(CH₂)_m carbocycle, C≡C-(CH₂)_m substituted carbocycle, (CH₂)_m-
20 O-aryl, (CH₂)_m-O-substituted aryl, (CH₂)_m COR⁵, (CH₂)_m CONR⁵R⁶,

NH

||

(CH₂)_m CNR⁵R⁶,

S

5

||

(CH₂)_m CNR⁵R⁶, or (CH₂)_m CO₂R⁵;

m is an integer from 0 to 6;

R⁵ and R⁶ independently are hydrogen, C₁-C₆ alkyl, substituted

C₁-C₆ alkyl, (CH₂)_m aryl, (CH₂)_m substituted aryl, (CH₂)_m

10 heteroaryl, (CH₂)_m substituted heteroaryl, or R⁵ and R⁶ are taken together with the nitrogen atom to which they are attached complete a 3- to 7-membered ring containing carbon atoms, the nitrogen atom bearing R⁵ and R⁶, and optionally 1 or 2 heteroatoms independently selected from O, S, and NR², wherein

15 R² is as defined above; and

n is 0 or 1; with the proviso that R² and R⁴ are not both selected from hydrogen and C₁-C₆ alkyl.

4. The compound according to Claim 1 of Formula III, or a pharmaceutically acceptable salt thereof, selected from:

20 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carbothioic acid benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carbothioic acid 4-methoxy-benzylamide.

25 6-Benzyl-2-(3-phenyl-propionyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid prop-2-ynylamide;

30 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (piperidin-4-ylmethyl)-amide hydrochloride;

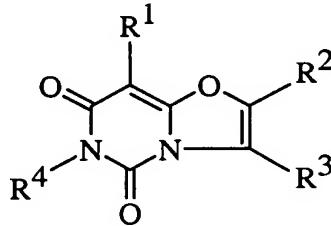
6-Benzyl-2-(1-hydroxy-3-phenyl-allyl)-8-methyl-thiazolo[3,2-c]pyrimidine-5,7-dione;

6-Benzyl-2-(1-hydroxy-3-phenyl-prop-2-ynyl)-8-methyl-thiazolo[3,2-c]pyrimidine-5,7-dione;

5 6-Benzyl-2-(hydroxy-phenyl-methyl)-thiazolo[3,2-c]pyrimidine-5,7-dione; and

6-Benzyl-2-(1-hydroxy-3-phenyl-propyl)-thiazolo[3,2-c]pyrimidine-5,7-dione.

5. A compound of Formula IV



IV

10 or a pharmaceutically acceptable salt thereof,

R¹ is H, (O)_nC₁-C₆ alkyl, (O)_n substituted C₁-C₆ alkyl, NO₂, NR⁵R⁶,
CHO, or halo;

15 R², R³, and R⁴ independently are hydrogen, halo, C₁-C₆ alkyl, substituted

C₁-C₆ alkyl, C₂-C₆ alkenyl, substituted C₂-C₆ alkenyl,

C₂-C₁₀ alkynyl, substituted C₂-C₁₀ alkynyl, (CH₂)_m OH,

(CH₂)_m OR⁵, (CH₂)_m cycloalkyl, (CH₂)_m substituted cycloalkyl,

CHOH (CH₂)_m aryl, CHOH (CH₂)_m substituted aryl,

CHOH (CH₂)_m heteroaryl, CHOH (CH₂)_m substituted heteroaryl,

20 (CO₂)_n(CH₂)_m aryl, (CO₂)_n(CH₂)_m substituted aryl,

(CO₂)_n(CH₂)_m heteroaryl, (CO₂)_n(CH₂)_m substituted heteroaryl,

(CO₂)_n(CH₂)_m carbocycle, (CO₂)_n(CH₂)_m substituted

carbocycle, (CO₂)_n(CH₂)_m heterocycle, (CO₂)_n(CH₂)_m

substituted heterocycle, (CO₂)_n(CH₂)_m NR⁵R⁶, (CH₂)_m-S(O)0-

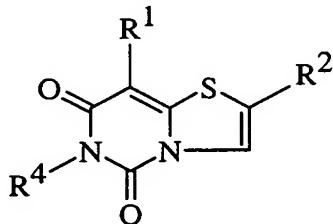
25 2-(CH₂)_n-aryl, CH(C₁-C₆ alkyl)-aryl, (CH₂)_mN(H) C(=O)aryl,

(CH₂)_m-S(O)O-2-(CH₂)_n-substituted aryl, CH(C₁-C₆ alkyl)-substituted aryl, (CH₂)_mN(H)C(=O) substituted aryl,
C(=O)N(R⁵)-(CH₂)_maryl, C(=O)N(R⁵)-(CH₂)_m substituted aryl,
C(=O)N(R⁵)-(CH₂)_m heteroaryl, C(=O)N(R⁵)-(CH₂)_m substituted
5 heteroaryl, C≡C-(CH₂)_maryl, C≡C-(CH₂)_m substituted aryl,
C≡C-(CH₂)_m-heteroaryl, C≡C-(CH₂)_m substituted heteroaryl,
C≡C-(CH₂)_m carbocycle, C≡C-(CH₂)_m substituted carbocycle, (CH₂)_m-O-aryl, (CH₂)_m-O-substituted aryl, (CH₂)_m COR⁵, (CH₂)_m CONR⁵R⁶,
NH
10 ||
(CH₂)_m CNR⁵R⁶,
S
||
(CH₂)_m CNR⁵R⁶, or (CH₂)_m CO₂R⁵;
15 m is an integer from 0 to 6;
R⁵ and R⁶ independently are hydrogen, C₁-C₆ alkyl, substituted
C₁-C₆ alkyl, (CH₂)_m aryl, (CH₂)_m substituted aryl, (CH₂)_m
20 heteroaryl, (CH₂)_m substituted heteroaryl, or R⁵ and R⁶ are taken
together with the nitrogen atom to which they are attached
complete a 3- to 7-membered ring containing carbon atoms, the
nitrogen atom bearing R⁵ and R⁶, and optionally 1 or 2
heteroatoms independently selected from O, S, and NR², wherein
25 R² is as defined above; and
n is 0 or 1; with the proviso that R² and R⁴ are not both selected from
hydrogen and C₁-C₆ alkyl.

6. The compound according to Claim 1 of Formula IV, or a pharmaceutically acceptable salt thereof, selected from:

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-oxazolo[3,2-c]pyrimidine-2-carboxylic acid benzyl ester;
6-Benzyl-5,7-dioxo-6,7-dihydro-5H-oxazolo[3,2-c]pyrimidine-2-carboxylic acid benzyl ester;
5 6-Benzyl-5,7-dioxo-6,7-dihydro-5H-oxazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;
6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-oxazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;
10 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-oxazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide; and
6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-oxazolo[3,2-c]pyrimidine-2-carboxylic acid (benzo[1,3]dioxol-5-ylmethyl)-amide.

7. A compound of Formula V



V

15 or a pharmaceutically acceptable salt thereof,
wherein:
R¹ is hydrogen, (O)_nC₁-C₆ alkyl, or (O)_n substituted C₁-C₆ alkyl;
R² is (CO₂)_n(CH₂)_m aryl, (CO₂)_n(CH₂)_m substituted aryl;
R⁴ is (CH₂)_m CO₂R⁵, (CH₂)_m CONR⁵R⁶, CHOH (CH₂)_m aryl, CHOH
20 (CH₂)_m substituted aryl, CHOH (CH₂)_m heteroaryl, CHOH
(CH₂)_m substituted heteroaryl, (CO₂)_n(CH₂)_m aryl,
(CO₂)_n(CH₂)_m substituted aryl, (CO₂)_n(CH₂)_m heteroaryl,
(CO₂)_n(CH₂)_m substituted heteroaryl, (CO₂)_n(CH₂)_m carbocycle,
(CO₂)_n(CH₂)_m substituted carbocycle, (CO₂)_n(CH₂)_m
25 heterocycle, (CO₂)_n(CH₂)_m substituted heterocycle;

R⁵ and R⁶ independently are hydrogen, C₁-C₆ alkyl, substituted C₁-C₆ alkyl, (CH₂)_m aryl, (CH₂)_m substituted aryl, (CH₂)_m heteroaryl, (CH₂)_m substituted heteroaryl, or R⁵ and R⁶ are taken together with the nitrogen atom to which they are attached to complete a 3- to 7-membered ring containing carbon atoms, the nitrogen atom bearing R⁵ and R⁶, and optionally 1 or 2 heteroatoms independently selected from O, S, and NR², wherein R² is as defined above;

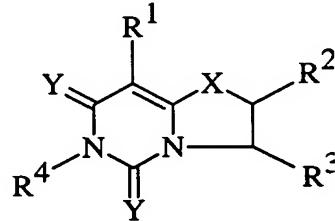
5

m is an integer of from 0 to 6;

10

n is 0 or 1.

8. A compound of Formula VI



VI

or a pharmaceutically acceptable salt thereof,

wherein:

15

X is O, S, SO, SO₂, CH₂, C = O, CHO, NH, or NR⁵;

Y is O or S;

R¹ is H, (O)_nC₁-C₆ alkyl, (O)_n substituted C₁-C₆ alkyl, NO₂, NR⁵R⁶,

CHO, or halo;

R², R³, and R⁴ independently are hydrogen, halo, C₁-C₆ alkyl, substituted

20

C₁-C₆ alkyl, C₂-C₆ alkenyl, substituted C₂-C₆ alkenyl,

C₂-C₁₀ alkynyl, substituted C₂-C₁₀ alkynyl, (CH₂)_m OH,

(CH₂)_m OR⁵, (CH₂)_m cycloalkyl, (CH₂)_m substituted cycloalkyl,

CHOH (CH₂)_m aryl, CHOH (CH₂)_m substituted aryl,

CHOH (CH₂)_m heteroaryl, CHOH (CH₂)_m substituted heteroaryl,

25

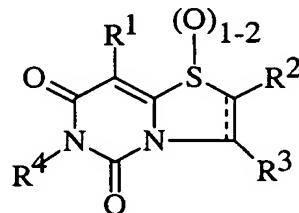
(CO₂)_n(CH₂)_m aryl, (CO₂)_n(CH₂)_m substituted aryl,

(CO₂)_n(CH₂)_m heteroaryl, (CO₂)_n(CH₂)_m substituted heteroaryl,
(CO₂)_n(CH₂)_m carbocycle, (CO₂)_n(CH₂)_m substituted
carbocycle, (CO₂)_n(CH₂)_m heterocycle, (CO₂)_n(CH₂)_m
substituted heterocycle, (CO₂)_n(CH₂)_m NR⁵R⁶, (CH₂)_m-S(O)0-
5 (CH₂)_n-aryl, CH(C₁-C₆ alkyl)-aryl, (CH₂)_mN(H) C(=O)aryl,
(CH₂)_m-S(O)0-2-(CH₂)_n-substituted aryl, CH(C₁-C₆ alkyl)-
substituted aryl, (CH₂)_mN(H)C(=O) substituted aryl,
C(=O)N(R⁵)-(CH₂)_maryl, C(=O)N(R⁵)-(CH₂)_m substituted aryl,
C(=O)N(R⁵)-(CH₂)_m heteroaryl, C(=O)N(R⁵)-(CH₂)_msubstituted
10 heteroaryl, C≡C-(CH₂)_maryl, C≡C-(CH₂)_m substituted aryl,
C≡C-(CH₂)_m-heteroaryl, C≡C-(CH₂)_m substituted heteroaryl,
C≡C-(CH₂)_m carbocycle, C≡C-(CH₂)_m substituted carbocycle, (CH₂)_m-
O-aryl, (CH₂)_m-O-substituted aryl, (CH₂)_m COR⁵, (CH₂)_m CONR⁵R⁶,
15 NH
||
(CH₂)_m CNR⁵R⁶,
S
||
(CH₂)_m CNR⁵R⁶, or (CH₂)_m CO₂R⁵;
20 m is an integer from 0 to 6;
m is 0 to 6;
R⁵ and R⁶ independently are hydrogen, C₁-C₆ alkyl, substituted
C₁-C₆ alkyl, (CH₂)_m aryl, (CH₂)_m substituted aryl, (CH₂)_m
heteroaryl, (CH₂)_m substituted heteroaryl, or R⁵ and R⁶ are taken
25 together with the nitrogen atom to which they are attached
complete a 3- to 7-membered ring containing carbon atoms, the
nitrogen atom bearing R⁵ and R⁶, and optionally 1 or 2

heteroatoms independently selected from O, S, and NR², wherein R² is as defined above; and n is 0 or 1; with the proviso that R² and R⁴ are not both selected from hydrogen and C₁-C₆ alkyl.

5

9. A compound of Formula VII



VII

or a pharmaceutically acceptable salt thereof,
wherein:

10 "—" is absent or is a bond;

R¹ is H, (O)_nC₁-C₆ alkyl, (O)_n substituted C₁-C₆ alkyl, NO₂, NR⁵R⁶, CHO, or halo;

R², R³, and R⁴ independently are hydrogen, halo, C₁-C₆ alkyl, substituted C₁-C₆ alkyl, C₂-C₆ alkenyl, substituted C₂-C₆ alkenyl,

15 C₂-C₁₀ alkynyl, substituted C₂-C₁₀ alkynyl, (CH₂)_m OH,

(CH₂)_m OR⁵, (CH₂)_m cycloalkyl, (CH₂)_m substituted cycloalkyl, CHOH (CH₂)_m aryl, CHOH (CH₂)_m substituted aryl,

CHOH (CH₂)_m heteroaryl, CHOH (CH₂)_m substituted heteroaryl, (CO₂)_n(CH₂)_m aryl, (CO₂)_n(CH₂)_m substituted aryl,

20 (CO₂)_n(CH₂)_m heteroaryl, (CO₂)_n(CH₂)_m substituted heteroaryl, (CO₂)_n(CH₂)_m carbocycle, (CO₂)_n(CH₂)_m substituted carbocycle, (CO₂)_n(CH₂)_m heterocycle, (CO₂)_n(CH₂)_m substituted heterocycle, (CO₂)_n(CH₂)_m NR⁵R⁶,

(CH₂)_m-S(O)₀₋₂-(CH₂)_n-aryl, CH(C₁-C₆ alkyl)-aryl,

25 (CH₂)_mN(H) C(=O)aryl, (CH₂)_m-S(O)₀₋₂-(CH₂)_n-substituted

aryl, $\text{CH}(\text{C}_1\text{-C}_6\text{ alkyl})$ -substituted aryl, $(\text{CH}_2)_m\text{N}(\text{H})\text{C}(=\text{O})$
substituted aryl,
 $\text{C}(=\text{O})\text{N}(\text{R}^5)\text{-}(\text{CH}_2)_m\text{aryl}$, $\text{C}(=\text{O})\text{N}(\text{R}^5)\text{-}(\text{CH}_2)_m$ substituted aryl,
 $\text{C}(=\text{O})\text{N}(\text{R}^5)\text{-}(\text{CH}_2)_m$ heteroaryl, $\text{C}(=\text{O})\text{N}(\text{R}^5)\text{-}(\text{CH}_2)_m$ substituted
5 heteroaryl, $\text{C}\equiv\text{C-}(\text{CH}_2)_m\text{aryl}$, $\text{C}\equiv\text{C-}(\text{CH}_2)_m$ substituted aryl,
 $\text{C}\equiv\text{C-}(\text{CH}_2)_m$ -heteroaryl, $\text{C}\equiv\text{C-}(\text{CH}_2)_m$ substituted heteroaryl,
 $\text{C}\equiv\text{C-}(\text{CH}_2)_m$ carbocycle, $\text{C}\equiv\text{C-}(\text{CH}_2)_m$ substituted carbocycle, $(\text{CH}_2)_m\text{-}$
 O-aryl , $(\text{CH}_2)_m\text{-O-}$ substituted aryl, $(\text{CH}_2)_m\text{COR}^5$, $(\text{CH}_2)_m\text{CONR}^5\text{R}^6$,

10 NH
||
 $(\text{CH}_2)_m\text{CNR}^5\text{R}^6$,

S
||
 $(\text{CH}_2)_m\text{CNR}^5\text{R}^6$, or $(\text{CH}_2)_m\text{CO}_2\text{R}^5$;

15 m is an integer from 0 to 6;
 R^5 and R^6 independently are hydrogen, $\text{C}_1\text{-C}_6$ alkyl, substituted
 $\text{C}_1\text{-C}_6$ alkyl, $(\text{CH}_2)_m$ aryl, $(\text{CH}_2)_m$ substituted aryl, $(\text{CH}_2)_m$
heteroaryl, $(\text{CH}_2)_m$ substituted heteroaryl, or R^5 and R^6 are taken
together with the nitrogen atom to which they are attached
20 complete a 3- to 7-membered ring containing carbon atoms, the
nitrogen atom bearing R^5 and R^6 , and optionally 1 or 2
heteroatoms independently selected from O, S, and NR^2 , wherein
 R^2 is as defined above; and
n is 0 or 1; with the proviso that R^2 and R^4 are not both selected from
25 hydrogen and $\text{C}_1\text{-C}_6$ alkyl.

10. A compound, or a pharmaceutically acceptable salt thereof, selected from:
6-Benzyl-8-methyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-
c]pyrimidine-2-carboxylic acid (benzo[1,3]dioxol-5-ylmethyl)-amide;

6-Benzyl-1,8-dimethyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid (benzo[1,3]dioxol-5-ylmethyl)-amide;

6-Benzyl-1,8-dimethyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid benzylamide;

5 6-Benzyl-1,8-dimethyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

6-Benzyl-1-methyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

10 6-(4-Methoxy-benzyl)-1-methyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

6-(4-Methoxy-benzyl)-1,8-dimethyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide;

15 6-Benzyl-5,7-dioxo-2,3,6,7-tetrahydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzyl ester 2,3-Dihydroxypropionic acid benzyl ester;

6-Benzyl-5,7-dioxo-2,3,6,7-tetrahydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid pyridin-4-ylmethyl ester hydrochloride;

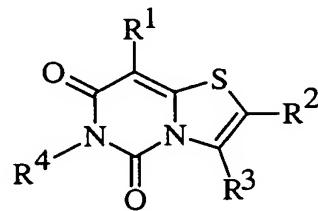
6-Benzyl-1,5,7-trioxo-1,2,3,5,6,7-hexahydro-1*H*4-thiazolo[3,2-c]pyrimidine-3-carboxylic acid benzyl ester;

20 6-Benzyl-1,8-dimethyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzyl ester; and

6-Benzyl-3-ethoxy-2,3-dihydrdo-oxazolo[3,2-c]pyrimidine-5,7-dione.

11. The compound according to Claim 1 of Formula VIII

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VIII

or a pharmaceutically acceptable salt thereof, wherein:

R¹ is H, CH₃, CH₂OH, or CHO

R² is (CO₂)(CH₂)_m aryl, (CO₂)(CH₂)_m substituted aryl,
(CO₂)(CH₂)_m heteroaryl, (CO₂)(CH₂)_m substituted heteroaryl,
C(=O)N(R⁵)-(CH₂)_m-aryl, C(=O)N(R⁵)-(CH₂)_m substituted aryl,
C(=O)N(R⁵)-(CH₂)_m heteroaryl, C(=O)N(R⁵)-(CH₂)_m substituted
5 heteroaryl, C≡C-(CH₂)_m aryl, C≡C-(CH₂)_m substituted aryl,
C≡C-(CH₂)_m heteroaryl, or C≡C-(CH₂)_m substituted heteroaryl,
wherein R⁵ is hydrogen or methyl;

R³ is hydrogen or fluoro;

R⁴ is C₂-C₆ alkenyl, substituted C₂-C₆ alkenyl, C₁-C₆ alkyl, substituted
10 C₁-C₆ alkyl, C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl,
(CH₂)_mCOR⁵, (CH₂)_mS(O)0-2-(CH₂)_n aryl, C(=O)N(R⁵)-
CH₂)_maryl, (CH₂)_m-O-aryl, (CH₂)_mS(O)0-2-(CH₂)_n substituted
aryl, C(=O)N(R⁵)-CH₂)_m substituted aryl, (CH₂)_m-O-substituted
aryl, (CO₂)_n(CH₂)_m aryl, (CO₂)_n(CH₂)_m substituted aryl,
15 (CO₂)_n(CH₂)_m heteroaryl, (CO₂)_n(CH₂)_m substituted heteroaryl,
(CO₂)_n(CH₂)_m carbocycle, or (CO₂)_n(CH₂)_m substituted
carbocycle, wherein

n is 0 or 1;

m is an integer of from 0 to 6; and

20 R⁵ is hydrogen, C₁-C₆ alkyl, substituted C₁-C₆ alkyl, (CH₂)_m aryl,
(CH₂)_m substituted aryl, (CH₂)_m heteroaryl, or (CH₂)_m
substituted heteroaryl.

12. The compound according to Claim 11, or a pharmaceutically acceptable
salt thereof, wherein:

25 R¹ is H or CH₃;

R² is C(=O)N(R⁵)-(CH₂)_m aryl, C(=O)N(R⁵)-(CH₂)_m substituted aryl,
C(=O)N(R⁵)-(CH₂)_m heteroaryl, C(=O)N(R⁵)-(CH₂)_m substituted

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heteroaryl, $C\equiv C-(CH_2)_m$ aryl, $C\equiv C-(CH_2)_m$ substituted aryl, $C\equiv C-(CH_2)_m$ heteroaryl, or $C\equiv C-(CH_2)_m$ substituted heteroaryl, wherein
R⁵ is H or methyl;

R³ is hydrogen or fluoro;

5 R⁴ is $(CO_2)_n(CH_2)_m$ aryl, $(CO_2)_n(CH_2)_m$ substituted aryl,
 $(CO_2)_n(CH_2)_m$ heteroaryl, $(CO_2)_n(CH_2)_m$ substituted heteroaryl,
 $(CO_2)_n(CH_2)_m$ carbocycle, or $(CO_2)_n(CH_2)_m$ substituted
carbocycle, wherein:

n is 0 or 1, and

10 m is an integer of from 0 to 6.

13. The compound according to Claim 11, or a pharmaceutically acceptable salt thereof, wherein:
R¹ is H or CH₃;

15 R² is $C\equiv C-(CH_2)_m$ aryl, $C\equiv C-(CH_2)_m$ substituted aryl,
 $C\equiv C-(CH_2)_m$ heteroaryl, or $C\equiv C-(CH_2)_m$ substituted heteroaryl,
wherein:
m is 1;

R₃ is hydrogen or fluoro; and

20 R₄ is $(CO_2)_n(CH_2)_m$ aryl, $(CO_2)_n(CH_2)_m$ substituted aryl,
 $(CO_2)_n(CH_2)_m$ heteroaryl, $(CO_2)_n(CH_2)_m$ substituted heteroaryl,
 $(CO_2)_n(CH_2)_m$ carbocycle, or $(CO_2)_n(CH_2)_m$ substituted
carbocycle, wherein
n is 0 and m is 1.

25 14. The compound according to Claim 11, or a pharmaceutically acceptable salt thereof, wherein:
R₁ is H or CH₃;

R₂ is C(=O)N(R⁵)-(CH₂)_maryl, C(=O)N(R⁵)-(CH₂)_msubstituted aryl,

C(=O)N(R⁵)-(CH₂)_mheteroaryl, or C(=O)N(R⁵)-(CH₂)_msubstituted heteroaryl,

wherein m is 1 and R⁵ is H or CH₃;

5 R³ is hydrogen or fluoro; and

R⁴ is (CO₂)_n(CH₂)_maryl, (CO₂)_n(CH₂)_msubstituted aryl,

(CO₂)_n(CH₂)_mheteroaryl, (CO₂)_n(CH₂)_msubstituted heteroaryl,

(CO₂)_n(CH₂)_mcarbocycle, or (CO₂)_n(CH₂)_msubstituted carbocycle, wherein

10 n is 0 and m is 1.

15. The compound according to Claim 11, or a pharmaceutically acceptable salt thereof, selected from:

4-[8-Methyl-5,7-dioxo-2-(3-phenyl-prop-1-ynyl)-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid;

4-{2-[3-(4-Methoxy-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-benzoic acid;

4-{2-[3-(4-Fluoro-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-benzoic acid;

4-{2-[3-(3-Methoxy-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-benzoic acid;

4-{2-[3-(3,4-Difluoro-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-benzoic acid;

6-Benzyl-8-methyl-2-(3-pyridin-4-yl-prop-1-ynyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

6-(3,4-Dichloro-benzyl)-8-methyl-2-(3-pyridin-4-yl-prop-1-ynyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

6-(3,4-Dichloro-benzyl)-2-[3-(2-methoxy-pyridin-4-yl)-prop-1-ynyl]-8-methyl-thiazolo[3,2-c]pyrimidine-5,7-dione;

6-Benzyl-8-methyl-2-phenylethynyl-thiazolo[3,2-c]pyrimidine-5,7-dione;

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6-(4-Bromo-benzyl)-2-[3-(3-methoxy-phenyl)-prop-1-ynyl]-8-methyl-thiazolo[3,2-c]pyrimidine-5,7-dione;

4-{2-[3-(3-Methoxy-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-benzenesulfonamide;

5 4-{2-[3-(3-Fluoro-4-methoxy-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-benzoic acid;

6-(4-Fluoro-benzyl)-8-methyl-2-(3-phenyl-prop-1-ynyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

10 6-Benzyl-8-methyl-2-(3-phenyl-prop-1-ynyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

6-(3,4-Dichloro-benzyl)-2-[3-(3-methoxy-phenyl)-prop-1-ynyl]-8-methyl-thiazolo[3,2-c]pyrimidine-5,7-dione;

15 6-(4-Methanesulfonyl-benzyl)-8-methyl-2-(3-pyridin-4-yl-prop-1-ynyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

4-{2-[3-(3-Methoxy-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-benzonitrile;

15 4-[8-Methyl-5,7-dioxo-2-(3-phenyl-prop-1-ynyl)-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid;

2-[3-(3-Methoxy-phenyl)-prop-1-ynyl]-8-methyl-6-[4-(2H-tetrazol-5-yl)-benzyl]-thiazolo[3,2-c]pyrimidine-5,7-dione;

20 6-Benzyl-2-[3-(3-methoxy-phenyl)-prop-1-ynyl]-8-methyl-thiazolo[3,2-c]pyrimidine-5,7-dione;

6-Benzyl-8-methyl-2-(3-phenyl-prop-1-ynyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

6-Benzyl-8-methyl-2-(3-phenyl-prop-1-ynyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

25 2-[3-(3-Methoxy-phenyl)-prop-1-ynyl]-8-methyl-6-[4-(morpholine-4-carbonyl)-benzyl]-thiazolo[3,2-c]pyrimidine-5,7-dione;

8-Methyl-6-[4-(morpholine-4-sulfonyl)-benzyl]-2-(3-pyridin-4-yl-prop-1-ynyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

30 2-[3-(4-Fluoro-phenyl)-prop-1-ynyl]-8-methyl-6-(2-oxo-2H-1-benzopyran-6-ylmethyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

2-[3-(3-Methoxy-phenyl)-prop-1-ynyl]-8-methyl-6-(2-oxo-2H-1-benzopyran-6-ylmethyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

4-[8-Methyl-5,7-dioxo-2-(4-phenyl-but-1-ynyl)-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid;

4-[8-Methyl-5,7-dioxo-2-(6-phenyl-hex-1-ynyl)-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid;

5 4-[8-Methyl-5,7-dioxo-2-(5-phenyl-pent-1-ynyl)-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid;

4-[8-Methyl-5,7-dioxo-2-(7-phenyl-hept-1-ynyl)-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid;

10 (4-{2-[3-(3,4-Difluoro-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-phenyl)-acetic acid;

6-(3-Fluoro-benzyl)-8-methyl-2-(3-pyridin-4-yl-prop-1-ynyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

15 6-(3,4-Difluoro-benzyl)-8-methyl-2-(3-pyridin-4-yl-prop-1-ynyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

6-(3-Fluoro-benzyl)-2-[3-(2-methoxy-pyridin-4-yl)-prop-1-ynyl]-8-methyl-thiazolo[3,2-c]pyrimidine-5,7-dione;

[3-(8-Methyl-5,7-dioxo-2-phenylethynyl)-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-phenyl]-acetic acid;

20 6-(4-Bromo-benzyl)-2-[3-(4-fluoro-3-methoxy-phenyl)-prop-1-ynyl]-8-methyl-thiazolo[3,2-c]pyrimidine-5,7-dione;

4-{2-[3-(3-Methoxy-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-N,N-dimethyl-benzenesulfonamide;

4-{2-[3-(3-Fluoro-4-methoxy-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-cyclohexanecarboxylic acid;

25 6-(3,4-Difluoro-benzyl)-2-[3-(3,4-difluoro-phenyl)-prop-1-ynyl]-8-methyl-thiazolo[3,2-c]pyrimidine-5,7-dione;

4-[8-Methyl-5,7-dioxo-2-(3-phenyl-prop-1-ynyl)-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-cyclohexanecarboxylic acid;

30 2-Chloro-4-{2-[3-(3-methoxy-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-benzoic acid;

2-[3-(4-Fluoro-phenyl)-prop-1-ynyl]-6-(4-methanesulfonyl-benzyl)-8-methyl-thiazolo[3,2-c]pyrimidine-5,7-dione;

4-{2-[3-(4-Fluoro-3-methoxy-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-benzonitrile;

(3-{2-[3-(4-Fluoro-3-methoxy-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-phenyl)-acetic acid;

5 (4-{2-[3-(3-Methoxy-phenyl)-prop-1-ynyl]-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-phenyl)-acetic acid;

6-(3,4-Difluoro-benzyl)-8-methyl-2-(3-phenyl-prop-1-ynyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

2-[3-(3-Methoxy-phenyl)-prop-1-ynyl]-8-methyl-6-[4-(thiomorpholine-4-carbonyl)-benzyl]-thiazolo[3,2-c]pyrimidine-5,7-dione;

10 8-Methyl-2-(3-pyridin-4-yl-prop-1-ynyl)-6-[4-(thiomorpholine-4-sulfonyl)-benzyl]-thiazolo[3,2-c]pyrimidine-5,7-dione;

15 2-[3-(4-Fluoro-3-methoxy-phenyl)-prop-1-ynyl]-8-methyl-6-(2-oxo-2H-1-benzopyran-6-ylmethyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

and

20 2-[3-(3-Methoxy-4-methyl-phenyl)-prop-1-ynyl]-8-methyl-6-(2-oxo-2H-1-benzopyran-6-ylmethyl)-thiazolo[3,2c]pyrimidine-5,7-dione.

16. The compound according to Claim 1, or a pharmaceutically acceptable salt thereof, selected from:

25 6-Benzyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-Benzyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid biphenyl-4-ylamide;

30 6-Benzyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-fluoro-benzylamide;

6-Benzoyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-(3,4-Dichloro-benzyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-(4-Chloro-benzyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-(4-Chloro-benzyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dichloro-benzylamide;

5 5,7-Dioxo-6-pyridin-4-ylmethyl-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide hydrochloride;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

10 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dichlorobenzylamide;

6-Benzyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

15 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 2,4-dichloro-benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-methyl-benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

20 6-Benzyl-8-formyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (1H-indol-5-ylmethyl)-amide;

25 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (thiazol-4-ylmethyl)-amide hydrochloride;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

30 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide hydrochloride;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (imidazo[2,1-b]thiazol-6-ylmethyl)-amide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (1-methyl-1H-pyrazol-4-ylmethyl)-amide;

5 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-2-ylmethyl)-amide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2,1,3-benzothiadiazol-5-ylmethyl)-amide;

10 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-difluoro-benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

15 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide hydrochloride;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-fluoro-4-methoxy-benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-2-ylmethyl)-amide hydrochloride;

20 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methyl-benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-trifluoromethyl-benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-chloro-benzylamide;

25 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-trifluoromethoxy-benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-thiazol-4-ylmethyl)-amide hydrochloride;

30 4-[2-(4-Methoxy-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid;

4-[2-(4-Methoxy-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid Sodium salt;

4-[2-(4-Methoxy-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid 2-dimethylamino-ethyl ester hydrochloride;

5 4-[2-(4-Fluoro-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid;

 4-[2-(4-Fluoro-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid Sodium salt;

 4-[2-(4-Fluoro-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid 2-dimethylamino-ethyl ester;

10 4-[2-(4-Fluoro-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid 2-dimethylamino-ethyl ester hydrochloride;

 4-{8-Methyl-5,7-dioxo-2-[(pyridin-4-ylmethyl)-carbamoyl]-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-benzoic acid trifluoro-acetic acid salt;

15 4-{8-Methyl-5,7-dioxo-2-[(pyridin-4-ylmethyl)-carbamoyl]-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl}-benzoic acid 2-dimethylamino-ethyl ester dihydrochloride;

20 8-Methyl-6-(2-methyl-thiazol-4-ylmethyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

 2-Chloro-4-[2-(4-fluoro-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid methyl ester;

25 8-Methyl-5,7-dioxo-6-(2H-tetrazol-5-ylmethyl)-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

 8-Methyl-5,7-dioxo-6-thiazol-2-ylmethyl-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide hydrochloride;

30 4-[2-(4-Fluoro-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-2-methyl-benzoic acid methyl ester;

 4-[2-(4-Fluoro-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-2-methoxy-benzoic acid methyl ester;

6-(4-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

5 6-(4-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

10 6-(4-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

15 8-Methyl-6-[4-(morpholine-4-carbonyl)-benzyl]-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;
 {5-[2-(4-Fluoro-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-isoxazol-3-yl}-carbamic acid methyl ester;

20 8-Methyl-5,7-dioxo-6-[4-(2H-tetrazol-5-yl)-benzyl]-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;
 8-Methyl-6-[4-(morpholine-4-carbonyl)-benzyl]-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

25 6-(6-Fluoro-quinolin-2-ylmethyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;
 2-[2-(4-Fluoro-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-5-methoxy-pyrimidine-4-carboxylic acid methyl ester;

30 6-But-2-ynyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;
 8-Methyl-5,7-dioxo-6-(2-oxo-2H-1-benzopyran-6-ylmethyl)-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

 6-(4-Methanesulfonyl-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

6-(3-Cyano-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

5 6-[2-(4-Chloro-benzenesulfonyl)-ethyl]-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

10 8-Methyl-5,7-dioxo-6-(4-sulfamoyl-benzyl)-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

15 6-(4-Cyano-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

20 8-Methyl-5,7-dioxo-6-(3-oxo-3-phenyl-propyl)-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

25 8-Methyl-5,7-dioxo-6-(1-phenyl-ethyl)-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

30 8-Methyl-5,7-dioxo-6-(2-phenylmethanesulfonyl-ethyl)-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

 6-(5-Cyano-pentyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

 6-(E)-But-2-enyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

 8-Methyl-5,7-dioxo-6-(E)-pent-2-enyl-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

 6-sec-Butyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

 6-(2-Benzenesulfonyl-ethyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

 6-(1-Ethyl-propyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

 8-Methyl-5,7-dioxo-6-pent-2-ynyl-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

6-(2-Benzenesulfonyl-ethyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

8-Methyl-6-(3-methyl-but-2-enyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

5 6-[2-(4-Fluoro-benzenesulfonyl)-ethyl]-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

10 6-[3-(4-Fluoro-phenyl)-3-oxo-propyl]-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

6-(2-Benzoylamino-ethyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

15 8-Methyl-5,7-dioxo-6-(2-phenoxy-ethyl)-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

6-(3,4-Dichloro-benzyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

20 6-(4-Cyano-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-methoxy-benzylamide; and

25 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (tetrahydro-furan-2-ylmethyl)-amide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-fluoro-benzylamide;

30 6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-fluoro-benzylamide;

6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methyl-benzylamide;

8-Methyl-5,7-dioxo-6-pyridin-4-ylmethyl-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide;

5 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

6-(4-Methoxy-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

8-Methyl-5,7-dioxo-6-pyridin-4-ylmethyl-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dimethoxy-benzylamide;

6-(4-Methanesulfonyl-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dimethoxy-benzylamide;

10 8-Methyl-5,7-dioxo-6-(4-sulfamoyl-benzyl)-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dimethoxy-benzylamide;

6-(4-Dimethylsulfamoyl-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dimethoxy-benzylamide;

15 8-Methyl-5,7-dioxo-6-(4-sulfamoyl-benzyl)-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dimethoxy-benzylamide;

8-Methyl-5,7-dioxo-6-pyridin-3-ylmethyl-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dimethoxy-benzylamide;

8-Methyl-5,7-dioxo-6-pyridin-2-ylmethyl-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dimethoxy-benzylamide;

20 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-methoxy-benzylamide;

6-(3-Methoxy-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-methoxy-benzylamide;

6-(3-Methoxy-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (benzo[1,3]dioxol-5-ylmethyl)-amide;

25 8-Methyl-5,7-dioxo-6-pyridin-3-ylmethyl-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-methoxy-benzylamide;

6-(3-Methoxy-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-methoxy-benzylamide;

30 6-(3-Methoxy-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (benzo[1,3]dioxol-5-ylmethyl)-amide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (benzo[1,3]dioxol-5-ylmethyl)-amide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methylsulfanylbenzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dichlorobenzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxybenzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-(4-Pyridylmethyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide hydrochloride;

6-(4-Chlorobenzyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dichlorobenzylamide;

6-(4-Chlorobenzyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-(3,4-Dichlorobenzyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-Benzoyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-fluoro-benzylamide;

6-Benzyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

6-Benzyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid biphenyl-4-ylamide;

6-Benzyl-8-formyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide; and

6-Benzyl-8-hydroxymethyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide.

17. The compound according to Claim 1, or a pharmaceutically acceptable salt thereof, selected from:

4-[2-(4-Methoxy-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid methyl ester;
5 4-[2-(3-Fluoro-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid methyl ester;
4-[2-(4-Fluoro-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-ylmethyl]-benzoic acid methyl ester;
10 6-Benzyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzyl ester;
6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzyl ester;
15 6-Benzyl-3-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid methyl ester;
6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid methyl ester;
6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid pyridin-4-ylmethyl ester;
20 6-Benzyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid pyridin-4-ylmethyl ester;
8-Methyl-5,7-dioxo-6-pyridin-4-ylmethyl-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzyl ester; and
6-Benzyl-3-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzyl ester.

25 18. The compound according to Claim 1, or a pharmaceutically acceptable salt thereof, selected from:

6-Benzoyl-thiazolo[3,2-c]pyrimidine-5,7-dione;
6-(4-Chlorobenzyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;
6-Pyridin-4-ylmethyl-thiazolo[3,2-c]pyrimidine-5,7-dione;
30 8-Methyl-thiazolo[3,2-c]pyrimidine-5,7-dione;
8-Methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid;
4-(8-Methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidin-6-yl-methyl)-
benzoic acid tert-butyl ester; and
5 8-Methyl-6-[4-(Morpholine-4-sulfonyl)benzyl]-thiazolo[3,2-c]pyrimidine-5,7-dione.

19. The compound according to Claim 1, or a pharmaceutically acceptable salt thereof, selected from:
10 6-(4-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;
15 6-(4-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;
20 6-(4-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;
25 6-(3-Bromo-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;
30 6-(3-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;
6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;
6-(4-Bromo-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;
6-(3-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;

6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;

5 6-(3,4-Dibromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;

10 6-(4-Bromo-3-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;

15 6-(3,4-Difluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;

20 6-(3-Bromo-4-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;

25 6-(3-Chloro-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-amino-pyridin-4-ylmethyl)-amide;

30 6-(4-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

 6-(4-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

 6-(4-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

 6-(3-Bromo-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

6-(3-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

5 6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

10 6-(4-Bromo-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

15 6-(3-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

20 6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

25 6-(3,4-Dibromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

30 6-(4-Bromo-3-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

 6-(3,4-Difluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

 6-(3-Bromo-4-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

 6-(3-Chloro-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

 6-(4-Chloro-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-ethoxy-pyridin-4-ylmethyl)-amide;

6-(4-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

5 6-(4-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

10 6-(4-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

15 6-(3-Bromo-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

20 6-(3-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

25 6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

30 6-(4-Bromo-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

 6-(3-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

 6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

 6-(3,4-Dibromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

 6-(4-Bromo-3-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

6-(3,4-Difluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

5 6-(3-Bromo-4-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

10 6-(3-Chloro-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

15 6-(4-Chloro-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-hydroxy-pyridin-3-ylmethyl)-amide;

20 6-(4-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

25 6-(4-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

30 6-(4-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

 6-(3-Bromo-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

 6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

 6-(4-Bromo-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

6-(3-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

5 6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

10 6-(3,4-Dibromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

15 6-(4-Bromo-3-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

20 6-(3,4-Difluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

25 6-(3-Bromo-4-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

30 6-(3-Chloro-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

 6-(4-Chloro-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide;

 6-(4-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

 6-(4-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

 6-(4-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

6-(3-Bromo-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

5 6-(3-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

10 6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

15 6-(4-Bromo-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

20 6-(3-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

25 6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

30 6-(3,4-Dibromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

 6-(4-Bromo-3-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

 6-(3,4-Difluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

 6-(3-Bromo-4-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

 6-(3-Chloro-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

6-(4-Chloro-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methyl-pyridin-4-ylmethyl)-amide;

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6-(4-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

6-(4-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

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6-(4-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

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6-(3-Bromo-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

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6-(3-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

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6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

6-(4-Bromo-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

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6-(3-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

6-(3,4-Dibromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

6-(4-Bromo-3-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

5 6-(3,4-Difluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

10 6-(3-Chloro-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

15 6-(4-Chloro-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

20 6-(4-Chloro-3-bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methylamino-pyridin-4-ylmethyl)-amide;

25 6-(4-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

30 6-(4-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

 6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

 6-(3-Bromo-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

 6-(3-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

 6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

 6-(4-Bromo-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

 6-(3-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

 6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

6-(3,4-Dibromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

6-(4-Bromo-3-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

5 6-(3,4-Difluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

6-(3-Bromo-4-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

10 6-(3-Chloro-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

6-(4-Chloro-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-3-ylmethyl)-amide;

15 6-(4-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

6-(4-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

20 6-(4-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

6-(3-Bromo-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

25 6-(3-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

30 6-(4-Bromo-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

6-(3-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

5 6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

6-(3,4-Dibromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

10 6-(4-Bromo-3-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

6-(3,4-Difluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

15 6-(3-Bromo-4-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

6-(3-Chloro-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

20 6-(4-Chloro-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-amino-pyridin-3-ylmethyl)-amide;

25 6-(4-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

6-(4-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

30 6-(4-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

6-(3-Bromo-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

5 6-(3-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

10 6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

15 6-(3-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

20 6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

25 6-(3,4-Dibromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

30 6-(4-Bromo-3-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

 6-(3,4-Difluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

 6-(3-Bromo-4-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

 6-(3-Chloro-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

6-(4-Chloro-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-ethoxy-pyridin-3-ylmethyl)-amide;

5 6-(4-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

10 6-(4-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

15 6-(4-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

20 6-(3-Bromo-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

25 6-(3-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

30 6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

 6-(4-Bromo-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

 6-(3-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

 6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

 6-(3,4-Dibromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

6-(4-Bromo-3-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

5 6-(3,4-Difluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

10 6-(3-Chloro-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

15 6-(4-Chloro-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methoxy-pyridin-3-ylmethyl)-amide;

20 6-(4-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

25 6-(4-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

30 6-(4-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

 6-(3-Bromo-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

 6-(3-Bromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

 6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

6-(4-Bromo-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

5 6-(3-Chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

10 6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

15 6-(3,4-Dibromo-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

20 6-(4-Bromo-3-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

25 6-(3,4-Difluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

30 6-(3-Bromo-4-chloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

 6-(3-Chloro-4-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

 6-(4-Chloro-3-fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (6-methyl-pyridin-3-ylmethyl)-amide;

 6-(4-Cyano-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide; and

 6-(4-Isopropylsulfamoyl-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid (2-methoxy-pyridin-4-ylmethyl)-amide.

20. The compound according to Claim 1, or a pharmaceutically acceptable salt thereof, selected from:

5

8-Methyl-5,7-dioxo-6-(3-oxo-3-phenyl-propyl)-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluoro-benzylamide;

10

8-Methyl-6-(1-phenylethyl) 5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

8-Methyl-5,7-dioxo-6-(2-phenylmethanesulfonyl-ethyl)-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

15

6-(5-Cyano-pentyl)-8-Methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

6-(E)-But-2-enyl-8-Methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

20

8-Methyl-5,7-dioxo-6-(E)-pent-2-enyl-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

6-sec-Butyl-8-Methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

25

8-Methyl-6-(2-methyl-allyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

6-(1-Ethyl-propyl)-8-Methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

8-Methyl-5,7-dioxo-6-pent-2-ynyl-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

30

6-(2-Benzensulfonyl-ethyl)-8-Methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

8-Methyl-6-(3-methyl-but-2-enyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

6-[2-(4-Fluoro-benzensulfonyl)-ethyl]-8-Methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

6-[3-(4-Fluoro-phenyl)-3-oxo-propyl]-8-Methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

5 8-Methyl-5,7-dioxo-6-{2-[(1-phenyl-methanoyl)-amino]-ethyl}-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide;

10 8-Methyl-5,7-dioxo-6-(2-phenoxy-ethyl)-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-fluorobenzylamide; and
{5-[2-(4-Fluoro-benzylcarbamoyl)-8-methyl-5,7-dioxo-7H-thiazolo[3,2-c]pyrimidine-6-ylmethyl]-isoxazol-3-yl]-carbamic acid methyl.

21. A pharmaceutical composition, comprising a compound of Claim 1, or a pharmaceutically acceptable salt thereof, admixed with a pharmaceutically acceptable carrier, diluent, or excipient.

15 22. A method for inhibiting MMP-13 in an animal, comprising administering to the animal an MMP-13 inhibiting amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof.

20 23. A method for treating a disease mediated by an MMP-13 enzyme, comprising administering to a patient suffering from such a disease an effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof.

25 24. A method for treating a cancer, comprising administering to a patient suffering from such a disease an anticancer effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof.

30 25. A method for treating breast carcinoma, comprising administering to a patient suffering from such a disease an anticancer effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof.

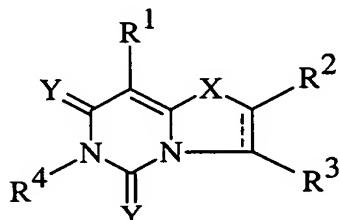
26. A method for treating a rheumatoid arthritis, comprising administering to a patient suffering from such a disease an effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof.

27. A method for treating a osteoarthritis, comprising administering to a patient suffering from such a disease an effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof.

28. A method for treating a heart failure, comprising administering to a patient suffering from such a disease an effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof.

29. A method for treating a inflammation, comprising administering to a patient suffering from such a disease an effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt thereof.

30. A compound of Formula I



I

and the pharmaceutically acceptable salts thereof,

wherein:

“---” is absent or is a bond;

X is O, S, SO, SO₂, CH₂, C = O, CHO, NH, or NR⁵;

Y is O or S;

R¹ is H, (O)_nC₁-C₆ alkyl, NO₂, NR⁵R⁶, CHO, or halo;

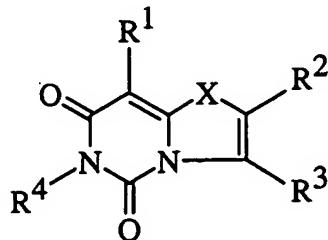
R², R³, and R⁴ independently are hydrogen, halo, C₁-C₆ alkyl,

C₂-C₆ alkenyl, C₂-C₆ alkynyl, (CH₂)_m OH, (CH₂)_m OR⁵,

(CH₂)_m cycloalkyl, (CH₂)_m aryl, CHO, (CH₂)_m aryl, CHO

(CH₂)_m substituted aryl, CHOH (CH₂)_m heteroaryl, CHOH
(CH₂)_m substituted heteroaryl, (CO₂)_n(CH₂)_m aryl,
(CO₂)_n(CH₂)_m substituted aryl, (CO₂)_n(CH₂)_m heteroaryl,
(CO₂)_n(CH₂)_m substituted heteroaryl, (CO₂)_n(CH₂)_m carbocycle,
5 (CO₂)_n(CH₂)_m heterocycle, (CO₂)_n(CH₂)_m NR⁵R⁶,
NH
||
(CH₂)_m COR⁵, (CH₂)_m CONR⁵R⁶, (CH₂)_m CNR⁵R⁶, (CH₂)_m
10 S
||
CNR⁵R⁶, or (CH₂)_m CO₂R⁵; m is an integer from 0 to 6;
R⁵ and R⁶ independently are hydrogen, C₁-C₆ alkyl, (CH₂)_m aryl,
(CH₂)_m heteroaryl, or taken together with the nitrogen to which
they are attached complete a 3- to 7-membered ring; and
15 n is 0 or 1.

31. A compound of Formula II



and the pharmaceutically acceptable salts thereof,
wherein:

20 X is O, S, SO, SO₂, CH₂, C = O, CHOH, NH, or NR⁵;
Y is O or S;
R¹ is H, (O)_n, C₁-C₆ alkyl, NO₂, NR⁵R⁶, CHO, or halo;
R², R³, and R⁴ independently are hydrogen, halo, C₁-C₆ alkyl,
C₂-C₆ alkenyl, C₂-C₆ alkynyl, (CH₂)_m OH, (CH₂)_m OR⁵,

(CH₂)_m cycloalkyl, (CH₂)_m aryl, CHOH (CH₂)_m aryl, CHOH

(CH₂)_m substituted aryl, CHOH (CH₂)_m heteroaryl, CHOH

(CH₂)_m substituted heteroaryl, (CO₂)_n(CH₂)_m aryl,

(CO₂)_n(CH₂)_m substituted aryl, (CO₂)_n(CH₂)_m heteroaryl,

5 (CO₂)_n(CH₂)_m substituted heteroaryl, (CO₂)_n(CH₂)_m carbocycle,
(CO₂)_n(CH₂)_m heterocycle, (CO₂)_n(CH₂)_m NR⁵R⁶,

NH

||

(CH₂)_m COR⁵, (CH₂)_m CONR⁵R⁶, (CH₂)_m CNR⁵R⁶, (CH₂)_m

10 S

||

CNR⁵R⁶, or (CH₂)_m CO₂R⁵;

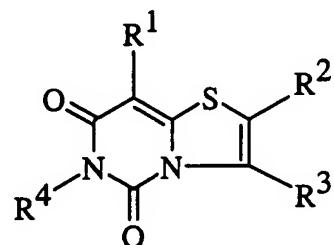
m is an integer from 0 to 6;

R⁵ and R⁶ independently are hydrogen, C₁-C₆ alkyl, (CH₂)_m aryl,

15 (CH₂)_m heteroaryl, or taken together with the nitrogen to which
they are attached complete a 3- to 7-membered ring; and

n is 0 or 1.

32. A compound of Formula III



III

20 and the pharmaceutically acceptable salts thereof;

wherein:

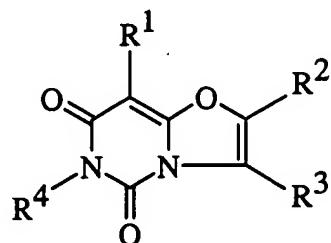
X is O, S, SO, SO₂, CH₂, C = O, CHO, NH, or NR⁵;

Y is O or S;

R¹ is H, C₁-C₆ alkyl, NO₂, NR⁵R⁶, CHO, or halo;

R², R³, and R⁴ independently are hydrogen, halo, C₁-C₆ alkyl,
C₂-C₆ alkenyl, C₂-C₆ alkynyl, (CH₂)_m OH, (CH₂)_m OR⁵,
(CH₂)_m cycloalkyl, (CH₂)_m aryl, CHOH (CH₂)_m aryl, CHOH
(CH₂)_m substituted aryl, CHOH (CH₂)_m heteroaryl, CHOH
5 (CH₂)_m substituted heteroaryl, (CO₂)(CH₂)_m aryl, (CO₂)(CH₂)_m
substituted aryl, (CO₂)(CH₂)_m heteroaryl, (CO₂)(CH₂)_m
substituted heteroaryl, (CO₂)(CH₂)_m carbocycle, (CO₂)(CH₂)_m
heterocycle, (CO₂)(CH₂)_m NR⁵R⁶,
10 NH
||
(CH₂)_m COR⁵, (CH₂)_m CONR⁵R⁶, (CH₂)_m CNR⁵R⁶, (CH₂)_m
S
||
CNR⁵R⁶, or (CH₂)_m CO₂R⁵;
15 m is an integer from 0 to 6;
R⁵ and R⁶ independently are hydrogen, C₁-C₆ alkyl, (CH₂)_m aryl,
(CH₂)_m heteroaryl, or taken together with the nitrogen to which
they are attached complete a 3- to 7-membered ring; and
n is 0 or 1.

20 33. A compound of Formula IV



IV

and the pharmaceutically acceptable salts thereof,
wherein:

X is O, S, SO, SO₂, CH₂, C = O, CHOH, NH, or NR⁵;

25 Y is O or S;

R¹ is H, (O)_n, C₁-C₆ alkyl, NO₂, NR⁵R⁶, CHO, or halo;

R², R³, and R⁴ independently are hydrogen, halo, C₁-C₆ alkyl,

C₂-C₆ alkenyl, C₂-C₆ alkynyl, (CH₂)_m OH, (CH₂)_m OR⁵,

(CH₂)_m cycloalkyl, (CH₂)_m aryl, CHO(CH₂)_m aryl, CHO(CH₂)_m

5 substituted aryl, CHO(CH₂)_m heteroaryl, CHO(CH₂)_m

substituted heteroaryl, (CO₂)_n(CH₂)_m aryl,

(CO₂)_n(CH₂)_m substituted aryl, (CO₂)_n(CH₂)_m heteroaryl,

(CO₂)_n(CH₂)_m substituted heteroaryl, (CO₂)_n(CH₂)_m carbocycle,

(CO₂)_n(CH₂)_m heterocycle, (CO₂)_n(CH₂)_m NR⁵R⁶,

10 NH

||

(CH₂)_m COR⁵, (CH₂)_m CONR⁵R⁶, (CH₂)_m CNR⁵R⁶, (CH₂)_m

S

||

15 CNR⁵R⁶, or (CH₂)_m CO₂R⁵;

m is an integer from 0 to 6;

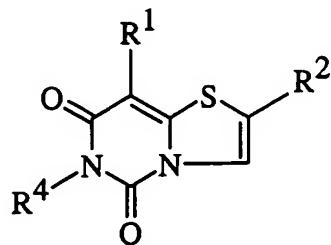
R⁵ and R⁶ independently are hydrogen, C₁-C₆ alkyl, (CH₂)_m aryl,

(CH₂)_m heteroaryl, or taken together with the nitrogen to which

they are attached complete a 3- to 7-membered ring; and

20 n is 0 or 1.

34. A compound of Formula V



V

and the pharmaceutically acceptable salts thereof,

wherein R¹ is hydrogen or alkyl, R² is (CO₂)_n(CH₂)_m aryl,
(CO₂)_n(CH₂)_m substituted aryl, R⁴ is (CH₂)_m CO₂R⁵, (CH₂)_m
CONR⁵R⁶, CHOH (CH₂)_m aryl, CHOH (CH₂)_m substituted aryl,
CHOH (CH₂)_m heteroaryl, CHOH (CH₂)_m substituted heteroaryl,
5 (CO₂)_n(CH₂)_m aryl, (CO₂)_n(CH₂)_m substituted aryl,
(CO₂)_n(CH₂)_m heteroaryl, (CO₂)_n(CH₂)_m substituted heteroaryl,
(CO₂)_n(CH₂)_m carbocycle, or (CO₂)_n(CH₂)_m heterocycle;
m is 0 to 6;
n is 0 or 1.

10 35. A compound selected from the group consisting of:
6-Benzyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid benzyl ester;
6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid benzyl ester;
15 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid benzylamide;
6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid 3-fluoro-benzylamide;
6-(3-Fluoro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-
20 thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-fluoro-benzylamide;
6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;
6-(3,4-Dichloro-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methyl-
benzylamide;
25 8-Methyl-5,7-dioxo-6-pyridin-4-ylmethyl-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;
6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid (pyridin-4-ylmethyl)-amide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid pyridin-4-ylmethyl ester;

6-Benzyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid pyridin-4-ylmethyl ester;

5 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid 4-methoxy-benzylamide;

6-(4-Methoxy-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxy-
benzylamide;

10 8-Methyl-5,7-dioxo-6-pyridin-4-ylmethyl-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxy-
benzylamide;

8-Methyl-5,7-dioxo-6-pyridin-4-ylmethyl-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzyl
15 ester;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid 3,4-dimethoxy-benzylamide;

6-(4-Methanesulfonyl-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dimethoxy-
20 benzylamide;

8-Methyl-5,7-dioxo-6-(4-sulfamoyl-benzyl)-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dimethoxy-
benzylamide;

6-(4-Dimethylsulfamoyl-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-
25 thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dimethoxy-
benzylamide;

8-Methyl-5,7-dioxo-6-pyridin-3-ylmethyl-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dimethoxy-
benzylamide;

30 8-Methyl-5,7-dioxo-6-pyridin-2-ylmethyl-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3,4-dimethoxy-
benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid 3-methoxy-benzylamide;

6-(3-Methoxy-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid 3-methoxy-
5
benzylamide;

6-(3-Methoxy-benzyl)-8-methyl-5,7-dioxo-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid (benzo[1,3]dioxol-
5-ylmethyl)-amide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
10
2-carboxylic acid benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
15
2-carbothioic acid 4-methoxy-benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid 4-methylsulfanyl-benzylamide;

6-Benzyl-3-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
20
2-carboxylic acid benzyl ester;

6-Benzyl-8-mentyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid 3,4-dichlorobenzylamide;

6-Benzyl-8-mentyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
25
2-carboxylic acid 4-methoxybenzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid benzylamide;

6-(4-Pyridylmethyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid benzylamide hydrochloride;

6-(4-Chlorobenzyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid 3,4-dichlorobenzylamide;

6-(4-Chlorobenzyl)-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
30
2-carboxylic acid benzylamide;

6-(3,4-Dichlorobenzyl)-5,7-dioxo-6,7-dihydro-5H-
thiazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-Benzoyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid 3-fluoro-benzylamide;

5 6-Benzyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid (pyridin-4-ylmethyl)-amide hydrochloride;

6-Benzyl-2-(3-phenyl-propionyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

6-Benzyl-2-(hydroxy-phenyl-methyl)-thiazolo[3,2-c]pyrimidine-5,7-dione;

6-Benzyl-5,7-dioxo-6,7-dihydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid biphenyl-4-ylamide;

6-Benzyl-2-(1-hydroxy-3-phenyl-propyl)-thiazolo[3,2-c]pyrimidine-
5,7-dione;

6-Benzyl-5,7-dioxo-2,3,6,7-tetrahydro-5H-thiazolo[3,2-c]pyrimidine-
2-carboxylic acid benzyl ester;

15 2,3-Dihydroxypropionic acid benzyl ester;

2,2-Dioxo-2*l*⁶-[1,2]oxathiolane-4-carboxylic acid benzyl ester;

6-Benzyl-5,7-dioxo-2,3,6,7-tetrahydro-5H-thiazolo[3,2-c]pyrimidine-2-
carboxylic acid benzyl ester;

6-Benzyl-5,7-dioxo-2,3,6,7-tetrahydro-5H-thiazolo[3,2-c]pyrimidine-2-
carboxylic acid pyridin-4-ylmethyl ester hydrochloride;

20 6-Benzyl-5,7-dioxo-2,3,6,7-tetrahydro-5H-thiazolo[3,2-c]pyrimidine-2-
carboxylic acid; 6-Benzyl-5,7-dioxo-2,3,6,7-tetrahydro-5H-thiazolo[3,2-c]pyrimidine-2-
carboxylic acid pyridin-4-ylmethyl ester hydrochloride;

6-Benzyl-5,7-dioxo-2,3,6,7-tetrahydro-5H-thiazolo[3,2-c]pyrimidine-2-
carboxylic acid (pyridin-4-ylmethyl)-amide;

25 6-Benzyl-1,5,7-trioxo-1,2,3,5,6,7-hexahydro-1*l*4-thiazolo[3,2-
c]pyrimidine-3-carboxylic acid benzyl ester;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-oxazolo[3,2-c]pyrimidine-
2-carboxylic acid benzyl ester;

30 6-Benzyl-5,7-dioxo-6,7-dihydro-5H-oxazolo[3,2-c]pyrimidine-2-
carboxylic acid benzyl ester;

6-Benzyl-5,7-dioxo-6,7-dihydro-5H-oxazolo[3,2-c]pyrimidine-2-carboxylic acid benzylamide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-oxazolo[3,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

5 6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-oxazolo[3,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide;

6-Benzyl-8-methyl-5,7-dioxo-6,7-dihydro-5H-oxazolo[3,2-c]pyrimidine-2-carboxylic acid (benzo[1,3]dioxol-5-ylmethyl)-amide;

6-Benzyl-8-methyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid (benzo[1,3]dioxol-5-ylmethyl)-amide;

10 6-Benzyl-1,8-dimethyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid (benzo[1,3]dioxol-5-ylmethyl)-amide;

6-Benzyl-1,8-dimethyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid benzylamide;

15 6-Benzyl-1,8-dimethyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

6-Benzyl-1,8-dimethyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzyl ester;

20 6-Benzyl-1-methyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

6-(4-Methoxy-benzyl)-1-methyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid 4-methoxy-benzylamide;

25 6-(4-Methoxy-benzyl)-1,8-dimethyl-5,7-dioxo-1,5,6,7-tetrahydro-imidazo[1,2-c]pyrimidine-2-carboxylic acid (pyridin-4-ylmethyl)-amide; and

6-Benzyl-3-ethoxy-2,3-dihydro-oxazolo[3,2-c]pyrimidine-5,7-dione.

36. A pharmaceutical composition comprising a compound of
30 Claim 30 together with a pharmaceutically acceptable carrier, diluent, or
excipient.

37. A pharmaceutical composition comprising a compound of Claim 31 together with a pharmaceutically acceptable carrier, diluent, or excipient.

5 38. A pharmaceutical composition comprising a compound of Claim 32 together with a pharmaceutically acceptable carrier, diluent, or excipient.

39. A pharmaceutical composition comprising a compound of Claim 33 together with a pharmaceutically acceptable carrier, diluent, or excipient.

10 40. A pharmaceutical composition comprising a compound of Claim 34 together with a pharmaceutically acceptable carrier, diluent, or excipient.

15 41. A method for inhibiting MMP-13 enzymes in animals comprising administering to the animal an MMP-13 inhibiting amount of a compound of Claim 30.

42. A method for treating cancer comprising administering to a patient having cancer and in need of treatment an anticancer effective amount of a compound of Claim 30.

20 43. A method for treating osteoarthritis comprising administering to a patient having cancer and in need of treatment an anticancer effective amount of a compound of Claim 30.

44. A method for treating rheumatoid arthritis comprising administering to a patient having cancer and in need of treatment an anticancer effective amount of a compound of Claim 30.